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ASHRAE Houston Chapter's

THE HOT AIR RECORDER

78th Volume No. VII

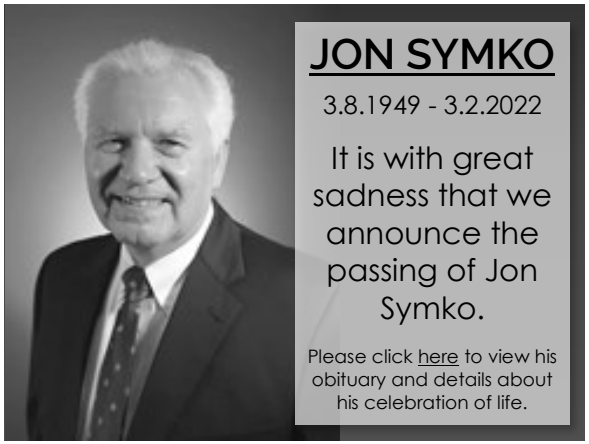
March

Sun	Mo	Tue	We	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

25

YEA Happy Hour

Please join us YEA at their March Happy Hour at Little Woodrow's from 3-6 on March 25th. Register here.



JON SYMKO

3.8.1949 - 3.2.2022

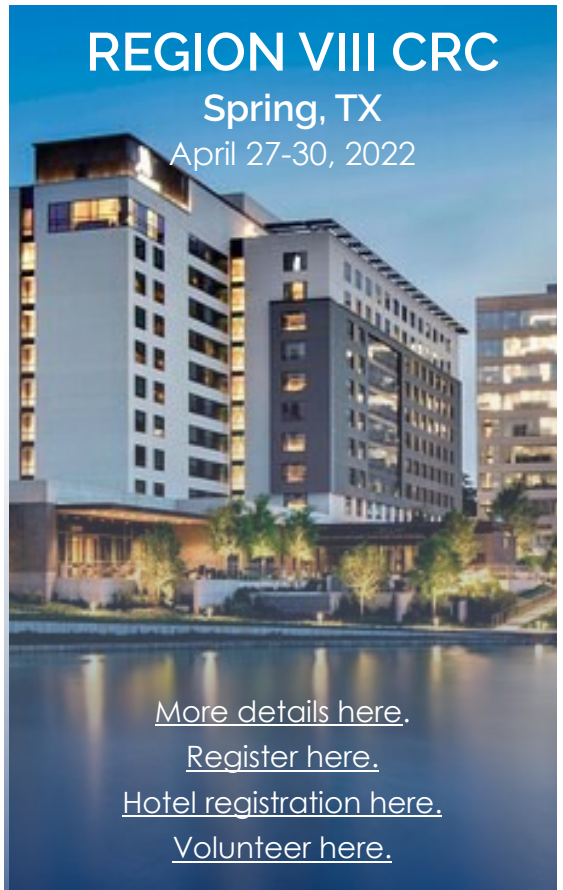
It is with great sadness that we announce the passing of Jon Symko.

Please click here to view his obituary and details about his celebration of life.



PAST PRESIDENT'S NIGHT

4.21.2022 | 6:00 PM | St. Arnold's Brewery



REGION VIII CRC

Spring, TX

April 27-30, 2022

More details here.

Register here.

Hotel registration here.

Volunteer here.



HOUSTON ASHRAE ANNUAL SPRING GOLF TOURNAMENT

4.12.2022 | High Meadow Ranch

Click here to register and/or sponsor.



STUDENT NIGHT/REFRIGERATION TOUR COMING IN MAY!

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PRESIDENT'S MESSAGE

Greetings Houston ASHRAE chapter!

ASHRAE Houston is off to a great start in 2022. We had a very large contingent attend the ASHRAE Winter Conference in Vegas where our Chapter, led by Garrett Neubauer, received the Pinnacle Award for the chapter that raised the most money for ASHRAE Research last year. We could not have done it without everyone that participated I our RP events, and our amazing annual sponsors- thank you!

We are also back in-person for all of our meetings. We are not having a March meeting, so we will be meeting next at the Past President's Night at St. Arnold's on April 21st. We are hoping for great turnouts for the rest of our events for the year– so please join us and bring your colleagues! The Houston chapter will also be hosting the Region VIII CRC April 28th-30th in The Woodlands– click here for more details. The CRC will be both in-person and virtual. I plan to be there in person and hope to see you there as well to show just how amazing we are in Houston. A huge thank you to Bruce Flaniken who is our CRC chair, who has put an excellent program together.

Lastly, I am very excited to announce that Marina Badoian-Kriticos with Houston Advanced Research Center (HARC) was awarded the DOE's C3E Award in 2021. The award includes a small monetary stipend to be used to further women in clean energy. Marina reached out to me this past winter to look at how ASHRAE Houston can partner with her. Marina said, "Given the opportunities in the clean energy space and the work that ASHRAE does to support increasing the participation and success of women in related engineering fields, I thought it might be great to combine efforts and perhaps use these funds to augment an existing program or seed a new one." I can now announce that we have joined forces and are working on the seeds of a new program through our Diversity in ASHRAE (formerly Women in ASHRAE) committee with amazing leadership from our co-chairs Lauren Ramos and Krista Villanueva. More information to come in the near future.

Hope to see everyone soon!



Josh Vanlandingham
Houston ASHRAE President
2021-2022

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LAST MONTH'S MEETING



Air Cleaning (Particulate Filtration, Portable and In-Duct Air Cleaners, Coil Cleaning) and Airborne Infectious Diseases

Last month we welcomed Dr. Marwa Zaatari to speak virtually at our February chapter meeting.

Dr. Zaatari reviewed air cleaning methods to minimize infectious disease spread using ASHRAE COVID-19 filtration and disinfection framework. Her presentation included how to select particulate filters, air cleaners, and how to determine coil cleaning frequency and design considerations with respect to pressure drop, efficiency for different particulate size, by-pass, clean air delivery rate, and by-products. Different approaches using one or combination of control methods were compared from energy and indoor air quality impact.

A big thank you to Roessler Equipment Company for generously hosted the meeting, and even provided king cake for Mardi Gras.

Be on the lookout on this meeting page for a copy of the presentation.

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REGION VIII CRC

Marriott CityPlace at Springwoods

4.27.22 - 4.30.22

ASHRAE MEMBER ACTIVITIES			
Wednesday, April 27, 2022			
4:00 PM	-	7:00 PM	Registration
			Mtg Hub PreFunction Rm 1stFlr
7:00 PM	-	Midnight	Houston Chapter Hospitality
			Presidential Suite

Thursday, April 28 2022			
7:00 AM	-	6:00 PM	Registration
			Mtg Hub PreFunction Rm GrdFlr
8:00 AM	-	4:00 PM	Spouses Hospitality Suite
			Pine Board room Grd Flr
	-		
			Brkst Canopy Pavilion Grd Flr
	-		
2:00 PM		3:00PM	CRC Sponsor Meet & Greet
			Cocktails Cash Bar, Wine, Beer,
			Light Snacks The Grove Grd Flr
4:00 PM	-	5:00 PM	Delegate & Alternate Caucus Mtg
			Pine Board Room Grd Floor
6:00 PM	-	8:00 PM	Welcome Party & Cash Bar
			Canopy Pavilon & PreFunct.
			Ground Floor
8:00 PM	-	Midnight	Houston Chapter Hospitality Ste.
			Presidential Suite

ASHRAE MEMBER ACTIVITIES			
Friday, April 29, 2022			
6:30 AM	-	8:00 AM	Continental Breakfast
			Canopy Pavilion Ground Floor
7:00 AM	-	6:00 PM	Registration
			Mtg Hub PreFunction Rm 1stFlr
7:00 AM	-	7:45 AM	Delegate & Alter.Caucus Brkfst
			Springwoods IV & V Grd Floor
8:00 AM	-	4:00 PM	Spouses Hospitality Suite
			Pine Conference Grd Floor
8:00 AM	-	11:45 AM	Business Meeting
			Springwoods I to III Grd Floor
10:00 AM	-	10:15 AM	Break
			PreFunction Sponsor Grd Floor
			Ground Floor
12:00 PM	-	1:45 PM	President's Luncheon
			Oak Ballroom & PreFunction
2:00 PM	-	5:00 PM	Tech Session & Tour Trk 1, 2, 3, & 4
		10 minute Breaks between Tech Sessions	
2:30 PM		4:30 PM	Tech Tour HARC LEED Platinum
4:30 PM		4:50 PM	Travel from HARC to Hotel
			Soda & Snacks
2:00 PM		3:30 PM	Tech 1 AcclAim Energy Advisor
			Tech 1 Data Analytics Cedar 1
3:40 PM	-	5:00 PM	*Tech 2 Yaskawa*
			Pros & Cons of ECM vs VFD Cedar 2
3:40 PM	-	4:10 PM	*Tech 3 Blue Box LLC Enzyme Coil*
			Cleaning Technology Elm 1
4:20 PM	-	5:00 PM	*Tech 4 Harvest Innovgative Solutions*
			H202 Odor & Mold Remediation Elm 2
4:00 PM	-	5:00 PM	YEA / DIA Happy Hour
			Common Bond
5:30 PM	-	7:00 PM	Pre-Dinner Cocktails & Cash Bar
			Oak Ballroom I & II and Patio
7:00 PM	-	11:00 PM	Dinner
9:00 PM	-	Midnight	Houston Chapter Hospitality
			Presidential Suite

ASHRAE MEMBER ACTIVITIES			
Saturday, April 30, 2022			
6:30 AM	-	8:00 AM	Continental Breakfast
			Canopy Pavilion Ground Floor
8:00 AM	-	12:00 PM	Registration
			Mtg Hub PreFunction Rm 1stFlr
8:00 AM	-	11:45 AM	Golden Gavel Committee
			Pine Conference Grd Floor
12:00 AM	-	1:45 AM	Honors and Awards Luncheon
			Oak Ballroom & PreFunction
2:00 PM	-	3:30 PM	Business Meeting
			Springwoods I to III Grd Floor
3:30 PM	-	5:00 PM	Executive Session
			Springwoods I to III Grd Floor
3:30 PM	-	5:00 PM	CRC Debrief
			Maple Room Ground Floor

Click here to register | Click here to book group rate at Marriott

Click here to reach out about volunteering

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PLATINUM

VICON EQUIPMENT

Nailor® Industries Inc.

TEXAS AIRSYSTEMS

Johnson Controls

GOLD

Carrier

CONVERGENTZ™

SILVER

ROESSLER EQUIPMENT COMPANY, INC.

Oslin Nation Co.
Hydronic and Plumbing Solutions Since 1943

BRONZE

DistribAire, Inc.
Quality HVAC Products

Willbanks
THINK BOILER. THINK WILLBANKS.

AEI Affiliated Engineers

Page/

MEMBERSHIP

CALEFFI
Hydronic Solutions

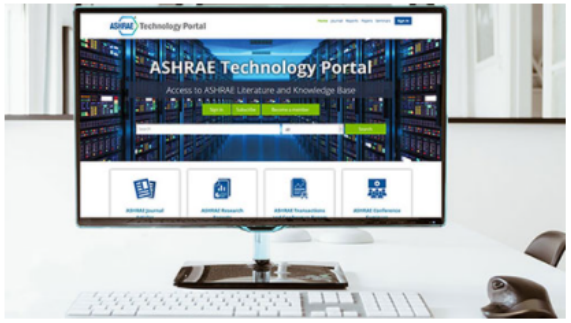
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MEMBERSHIP

Endless Technical Resources

Members enjoy access to the world's largest knowledge base of HVACR related technical information.

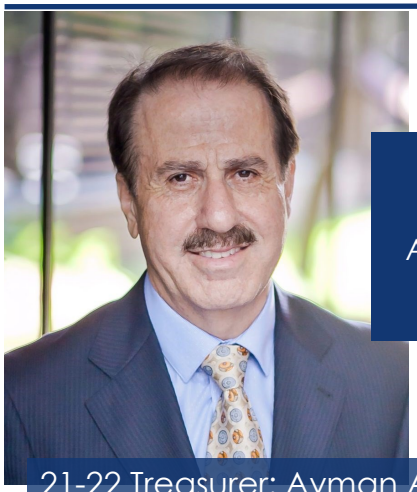


- Monthly ASHRAE Journal and quarterly HPB Magazine
- New Member and Associates receive complimentary one-year subscription to Handbook Online which provides access to all four of the most recent Handbooks
- Member access to the ASHRAE Technology Portal
- Member access to Science and Technology for the Built Environment research publication
- 25% Member discount in the Bookstore
- Discounted access to complete online library from the Institute of Refrigeration (IOR).

Please welcome our new member: Filza H Walters, Randy Brannen, Adam Goldberg, Ehsan Borazjani, Jesus Gilberto Pena, David Kehrli, Andrew Scott Robenalt, PE, Lisa L Rosenow, and Briana Cardenas

Join or renew through www.ashrae.org/home. If you have any questions, contact membership@ashraehouston.org

TREASURER



21-22 Treasurer: Ayman Ashkar

November Treasurer Report

Hopefully Covid-19 is behind us now, looking forward to seeing more people in ASHRAE meetings. Better attendance helps us achieve our financial goals. We are in a good financial standing.

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RESEARCH PROMOTION



Tailgate:	$2,500.00	Johnson Controls
Tailgate:	$2,500.00	Texas Air Systems
Tailgate:	$2,500.00	Vicon/Nailor
Tailgate:	$2,500.00	AVAILABLE
Dinner:	$2,000.00	AVAILABLE
Dinner Beverage:	$2,000.00	AVAILABLE
Course Beverage:	$2,000.00	AVAILABLE
Logo Ball Sponsorship:	$1,750.00	AVAILABLE
Lunch:	$1,500.00	AVAILABLE
Course Snacks:	$1,000.00	AVAILABLE
Raffle Prizes:	$900.00	AVAILABLE
Goodie Bags:	$800.00	AVAILABLE
Closest to the Pin:	$500.00	AVAILABLE
Longest Drive:	$500.00	AVAILABLE
Putting Contest:	$500.00	AVAILABLE
Tee Box Sign:	$500.00	Gold/Silver/Bronze
Tee Box Sign:	$250.00	AVAILABLE

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YEA









DIA

Diversity in ASHRAE

Please join us for a happy hour at the Region VIII CRC!

Diversity in ASHRAE Region VIII CRC Happy Hour
4 PM - 5 PM
Common Bond Bistro & Bakery
1700 City Plaza Drive #150
Spring, TX 77389

Please feel free to contact me, Krista Villanueva or Lauren Ramos, with any questions or suggestions!

Kvillanueva@gulfcoastboiler.com | lauren.ramos@dialecticeng.com

KRISTA VILLANUEVA





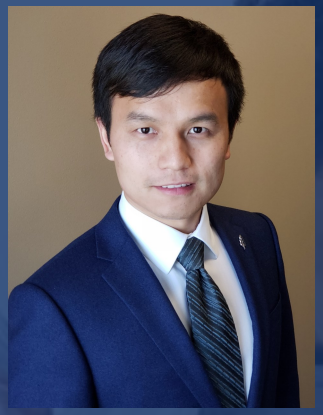
LAUREN RAMOS

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STUDENT ACTIVITIES

STUDENT ACTIVITIES CO-CHAIRS



JIAJUN "FRANCIS" LIAO



ELMER WHITEHEAD

Student Activities Updates

- Be on the lookout for Student Night in May, which will accompany a refrigeration tour.

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Government Advocacy

2021-2022 GRASSROOTS GOVERNMENT ADVOCACY CO-CHAIRS

KENNETH SHIFFLETT



KEITH REIHL



Prevent Economic and Educational Shutdowns

Importance of Ventilation, Air Filtration Stressed in National COVID-19 Preparedness Plan

The U.S. government has released the National COVID-19 Preparedness Plan, which lays out the roadmap to help fight COVID-19 in the future. It includes a focus on improving ventilation and air filtration. The U.S. government will provide a Clean Air in Buildings Checklist that all buildings can use to improve indoor ventilation and air filtration and will encourage uptake of ventilation improvements. The Administration will provide technical assistance that encourages schools, public buildings as well as state, local and Tribal governments to make ventilation improvements and upgrades using American Rescue Plan funds.

Read more here.

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BOG MINUTES

ASHRAE Houston Chapter

November 18, 2021 BOG Meeting
3:30 pm
TEAMS / In-Person meeting

Attendees: BoG and Chairs
Board of Governors Date: November 18, 2021
Call to order at: 3:46 PM

I. Meeting Attendees: Greg Tinkler, Catherine Tinkler, Ken Shifflett, Terry Connor, Nick Janssen, Ayman Ashkar
II. President – Josh Vanlandingham
III. Approve the October 28th Meeting minutes
   a. Please contact your RVC no later than the 15th every month. Copy to Josh and Nick.

Position	Officer	MBOs	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
President	Josh Vlandingham			X	X	X						
CTTC	Garrett Neubauer											
Research Promotion	Catherine Tinkler				X							
Membership	Shannon Yancey		X	X	X							
Treasurer	Ayman Ashkar			X	X							
Student Activities	Francis Liao											
YEA	Sydney Foreman											
GAC	Keith Reihl/Ken Shifflett		X	X	X							
Historian	Bruce Flaniken											
Refrigeration	Manuchehr Mehdizadeh											
Electronic Communication	Rachel Haines											

I. PAOE – Terry Connor
   a. Update PAOE status – on pace to meet goals and meet the "par" values for the year
II. President-Elect and CTTC Chair – Garrett Neubauer
   a. Upcoming meetings and events:
      i. 11/18 November Mtg (Today) – Paige's Office @ 4:30 pm.
      ii. 1/20 January Mtg.: Past Presidents Night, St. Arnolds
         1. MMJ and DA are sponsoring at ½ the cost
         2. Wine or other Drink Options? Still considering
         3. Entertainment: Still ongoing
         4. Garrett needs to delegate a person to contact all past presidents and give personal invites.
      iii. 2/24 February Mtg.: In-Person @ Roessler Offices - Speaker (Tentatively Marwa Zaatari regarding Air Cleaning (Particulate Filtration, Portable and In-Duct Air Cleaners, Coil Cleaning) and Airborne Infectious Diseases)
      iv. 3/24 March Mtg.: Refrig and Student night (scholarships) – possibly at 919 Milam.
         1. Touring ice storage facility
      v. 4/28 April Mtg.: Airport Projects Topic
      vi. 5/26 May Mtg.: ASHRAE DL Advance Energy for Healthcare facilities

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b. Garrett has two (2) DLs planned for this year.
   i. Were DL forms sent to Kenneth? Garrett will follow up with society for the chapter DL situation for the remainder of the year.
   ii. Nick has sent Garrett email about Aaon covering the DL fees for a visit.
c. Discussion on meetings and poor turnout. Ken mentioned possibly doing lunch meetings. Nick made the point about Dallas Chapter's meeting attendance much larger than ours.
   i. Garrett put Nick in charge of setting up a Survey Monkey to see what time, and what type of meeting venues membership is looking for. Are members currently working form their offices? This may help figure out location.
   ii. Nick to check with The Petroleum Club to check on availability/cost to host monthly meetings.

III. Vice President and RP Chair – Catherine Tinkler
a. Annual Sponsors/Sponsorship update
   i. Current List of Annual Sponsors/Sponsorships: 3 platinum, 2 gold, 2 silver, 4 bronze = $63,000
b. Events:
   i. Clay Shoot – Financials…TBD
   ii. RP Goal Progress?
      1. Current RP Funds Raised
      2. RP funds paid to Society
   iii. Golf Tournament – 11/9/2021, Golf Trails of the Woodlands, noon shotgun
      1. Summary – 25 teams = 100 players
      2. $ raised - $31,425 took in, $17,814 in expenses
   iv. Other Events, info forthcoming:
      1. Spring Golf tournament – High Meadow Ranch, date TBD
      2. Possible axe throwing, go cart racing
c. Full Circle Status – Due Nov. 15th ($150 donation from board members)
   i. Status update – all BOG in
   ii. $ raised - $1,700

IV. Treasurer – Ayman Ashkar
a. Account balances (standing)
b. CRC Funds Update
c. Audit – Complete
d. Taxes – CPA has all info, sent in form for our review today (10/28)
   i. Submitted
e. Budget for 2021-2022 approved on 10/2/2022 (email vote)

V. Secretary – Nick Janssen – Josh and Garrett to check on updating bylaws by 12/6. Associated paperwork has been uploaded to Basecamp.

VI. Membership – Shannon Yancey (update numbers below)
a. Membership Update
b. Feb event for membership team at meeting?
c. Connect with Keith R on Socient goals for increasing membership?

VII. Student Activities, K-12 – Francis Liao, Elmer Whitehead
a. No update to report from Francis
b. Rice U – Elmer
c. Scholarships

VIII. YEA (Sydney not in attendance)
a. Join YEA happy hour tomorrow, 11/19. Post Oak Ice House 2-5pm. Roessler sponsoring.

IX. Diversity in ASHRAE (not in attendance)

X. Refrigeration – Manuchehr Mehdizadeh (not in attendance)

XI. Sustainability / Energy Modeling – Steve Stelzer

XII. Newsletter – Julie Thomet
a. Update- Newsletters- due date for articles
b. Oct. HAR was on BASECAMP and Website only.
c. Photos for the HAR

XIII. Webmaster and Social Media and Electronic Communications Chair – Rachael Haines

XIV. Honors and Awards – Alan, Bruce

XV. Directory Chair – Greg Tinkler

XVI. Grass Roots Government Advocacy – Keith Reihl, Kenneth Shifflett

XVII. Commissioning Chair – David MacLean

XVIII. Other business:

XIX. Meeting called to close at 4:33 PM

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ROSTER

Position	Full Name	Phone	Email
Chapter President	Mr Josh Vanlandingham, PE	(713) 515-3726	jjvanham@gmail.com
Chapter President Elect	Mr John G Neubauer, PE	(713) 871-8484	gneubauer@pagethink.com
Chapter Vice President	Catherine A Tinkler	(713)203-9267	ctinkler@foscd.com
Chapter Treasurer	Mr. Ayman Ashkar	(713) 914-0888	aashkar@dbrinc.com
Chapter Secretary	Mr. Nick Janssen	(832) 342-9276	Nick.Janssen@texasairsystems.com
Chapter Board of Governors	Greg Tinkler	(713)658-2206	gtinkler@yahoo.com
Chapter Board of Governors	Mr Bruce L Flaniken, PE	(832)473-1989	BLFlaniken@houstonmethodist.org
Chapter Board of Governors	Mr Kenneth Shifflett	(713)828-2329	kshifflett@distribaire.com
Chapter Board of Governors	Mr Michael Langton, PE	(832)867-7149	mlangton@langtonenergy.com
Chapter Board of Governors	Mr Keith H Reihl, PE	(713)459-1044	reihl@swbell.net
Chapter Delegate	Mr John G Neubauer, PE	(713) 871-8484	gneubauer@pagethink.com
Chapter Alternate	Catherine A Tinkler	(713)203-9267	ctinkler@foscd.com
Chapter Technology Transfer Chair	Mr John G Neubauer, PE	(713) 871-8484	gneubauer@pagethink.com
Chapter Commissioning Chair	Mr David A MacLean	(713)857-6499	david.maclean@mcmaccx.net
Chapter Grassroots Government Advocacy Co-Chair	Mr Keith H Reihl, PE	(713)459-1044	reihl@swbell.net
Chapter Grassroots Government Advocacy Co-Chair	Mr Kenneth Shifflett	(713)828-2329	kshifflett@distribaire.com
Chapter Historian	Mr Bruce L Flaniken, PE	(832)473-1989	BLFlaniken@houstonmethodist.org
Chapter Honors and Awards	Mr Robert (Alan) Neely	(281)432-9864	alan.neely@owenscorning.com
Chapter Membership Promotion Co-Chair	Mr Jeffrey B Hunter	(713)939-6098	jeff.hunter@carrier.com
Chapter Membership Promotion Chair	Mrs Shannon Tawney Yancey	(832)523-6619	Shannon.yancey@caleffi.com
Chapter Refrigeration	Mr Manuchehr Mehdizadeh	(832) 660-5450	mmz@roxara.com
Chapter Research Promotion Chair	Catherine A Tinkler	(713)203-9267	ctinkler@foscd.com
Chapter Student Activities Chair	Mr Jiajun "Francis" Liao, PhD, EIT	(346) 339-7173	liaojiajun142857@hotmail.com
Chapter Student Activities Co-Chair	Mr Elmer Whitehead	(713) 348-6369	ew16@rice.edu
Chapter Sustainability Chair	Mr Steven Stelzer	(832)-394-9050	steve.stelzer@houstontx.gov
Chapter Women in ASHRAE Chair	Miss Lauren Ramos	(713)783-7707	lramos4321@hotmail.com
Chapter Women in ASHRAE Co-Chair	Mrs Krista Villanueva	(832) 317-1512	KVillanueva@gulfcoastboiler.com
Chapter YEA Chair	Tim Navarro	(281) 253-5028	Tim.Navarro@Carrier.com
Chapter Newsletter Editor	Ms Julie A Thomet	(936)523-0556	Juliet@mjec.com
Chapter Webmaster	Mr Jack W. Kolar	(832) 759-4227	jackoolair@outlook.com